

ASSET	DESCRIPTION OF ASSET APPLICATION FOR SCENARIO DEVELOPMENT
DEMAND SHIFTING	<ul style="list-style-type: none"> ♦ <u>MWD</u>: 60,000 af (2000 Ops) ♦ <u>Kern County Users</u>: 50,000-90,000 af (2000 Ops) ♦ <u>Core Peak</u>: Pay user to shift demand to alternative source ♦ <u>Groundwater Substitution</u>: Shift surface water users in the Sacramento Valley to groundwater ♦ <u>Crop shifting in Delta</u>: Shift to less water intensive crops during certain time periods
GROUNDWATER STORAGE SOUTH OF THE DELTA (WATER ACQUISITION)	<ul style="list-style-type: none"> ♦ <u>Kern Water Bank</u>: Potential for 100 kaf on annual basis for three years if first years of a drought; 90,000 aft in years that KCWA gets 100% allocation in wetter years. Use former in emergencies, and in early years of EWA. ♦ <u>Vidler Water Company</u>: Opportunities include lease of groundwater storage space (49,000 af), and water acquisition (6.300 af) ♦ <u>Semitropic</u>: Potential for approximately 100 kaf – possibly more (at 20 kaf/month in/out) ♦ <u>Options</u>: Acquire options on water north and south of the Delta
INCREASED BANKS PUMPING CAPACITY	<ul style="list-style-type: none"> ♦ Increase pumping capacity by 500 cfs in year 2000 (70,000-90,000 af) ♦ Increase pumping capacity to 6.6 kcfs Nov – March + 1/3 SJR. ♦ Increase pumping capacity to 8.5 kcfs July – Sept ♦ Increase pumping capacity to 7.1 kcfs July - Sept
MODIFICATION OF E/I RATIO	<ul style="list-style-type: none"> ♦ Shift averaging period from 14 days to 3 days without changing ratio itself. ♦ Relaxation of E/I in 2000 Ops plan = X af
ACCESS TO SURPLUS PROJECT CAPACITY	<ul style="list-style-type: none"> ♦ Access to San Luis Reservoir and non-project capacity (i.e., Castaic, Eastside)
MARKETS (WILLING SELLER)	<ul style="list-style-type: none"> ♦ Purchase of water for multiple purposes; provide incentives to sellers ♦ Purchase of in-Delta water from willing sellers ♦ Purchase PG&E reoperation water and pay for foregone power production (30-100 kaf?)
SHASTA DAM EXPANSION	<ul style="list-style-type: none"> ♦ Addition of flash boards on Shasta Dam would increase storage capacity by 50 TAF
RIGHT TO BORROW SURPLUS STORAGE CAPACITY AND SURPLUS WATER	<ul style="list-style-type: none"> ♦ Borrow surplus storage from Arvin-Edison for San Joaquin River re-watering project
CHANGE FLOOD CONTROL DIAGRAMS	<ul style="list-style-type: none"> ♦ May be limited to the San Joaquin and Stanislaus Rivers ♦ Pursue other small-scale projects in Stage 1 in addition to above efforts (TNC has ideas for pilot projects) ♦ Need to increase run-off prediction skill (watershed model) ♦ Could improve reservoir use by relaxing flood fill curves on flood operations

PUMPING TO STORAGE	<ul style="list-style-type: none"> ♦ Good general strategy for expansion of conjunctive use opportunities by optimizing use of groundwater/surface water demand shifting ♦ Would require additional facilities to maximize use otherwise benefits could be relatively small ♦ Could result in spilling of stored water ♦ <u>Specific proposals to examine for Stage 1:</u> <ol style="list-style-type: none"> 1. Tie Castaic storage to San Luis lowpoint 2. Pump out to increase the likelihood of filling San Luis
INTERTIE	<ul style="list-style-type: none"> ♦ DMC capacity less than pumping capacity (by 400cfs) ♦ Need to determine real benefit of intertie when linked to other assets (i.e., JPOD, expanded Banks) ♦ When tied to increasing Banks capacity construction/use of intertie becomes a staging issue
RICE FIELD FLOODING	<ul style="list-style-type: none"> ♦ Could increase opportunities to spread water on fields, manage drainage to enhance instream flows if diversions were screened, water quality impacts not an issue, and dollars available for expansion ♦ Limited integration into scenarios
CVPIA: SHIFTING REFUGE SUPPLIES	<ul style="list-style-type: none"> ♦ Borrow water from refuges for EWA/WMS ♦ Fund conservation measures without decreasing benefits to refuges ♦ Use refuges as small-scale storage projects. ♦ Shift conveyance to refuges to free-up space in DMC to convey WMS/EWA water. ♦ Discuss above possibilities with DU, Grasslands, CWA
TAKE LIMITS	<ul style="list-style-type: none"> ♦ Determine whether easy or difficult to apply flexibly ♦ Identify other issues regarding flexing and application
SUISUN GATE OPERATIONS	<ul style="list-style-type: none"> ♦ Determine whether easy or difficult to apply flexibly ♦ Identify other issues regarding flexing and application
X2	<ul style="list-style-type: none"> ♦ Determine whether easy or difficult to apply flexibly ♦ Identify other issues regarding flexing and application
ERP	<ul style="list-style-type: none"> ♦ Integrate water acquired for ERP flows with WMS/EWA water